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 B.Sc - II - Internal Assessment Exam - 2022-23
 Subject: Chemistry
 Year: II
 Sem: III
 Roll No: 210330514411003

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Group: BSC M.P.C. 2nd yr
 1003/1003-20

Choose to write the correct answer in the bracket from the following.

1. What is the hybridization of $[Ni(en)_4]$ complex. [B]
 - (A) sp^3 (B) dsp^2 (C) sp^3d (D) sp^2
2. What is the hybridization of $[Cu(NH_3)_4]^{2+}$ complex. [A]
 - (A) sp^3 (B) sp^2 (C) dsp^2 (D) sp^3d
3. $[Co(NH_2)_5Br]SO_4$; $[Co(NH_3)_5SO_4]Br$ complexes are - [B]
 - (A) Hydrate isomers (B) Ionic isomers (C) Bonding isomers (D) None.
4. $[Co(en)_2Cl_2]^+$ complex exhibits... [A]
 - (A) Optical isomerism (B) Geometrical isomerism (C) Ligand isomerism (D) None
5. What is the structure of $Ni(CO)_4$ complex - [B]
 - (A) Pyramidal (B) Tetrahedral (C) square plane (D) None
6. Which one obeys the 18 e rule from the following [D]
 - (A) $Ni(CO)_4$ (B) $Fe(CO)_5$ (C) $Fe_2(CO)_9$ (D) All
7. What is the structure of $Fe(CO)_5$ complex - [B]
 - (A) Tetrahedral (B) TBP (C) octahedral (D) square planar.
8. Which one is the Organometallic (OMC) compound [D]
 - (A) H_3C-Li (B) $H_3C-Mg-Cl$ (C) $(H_3C)_2Cd$ (D) All
9. Which one is the Non-OMC from the following - [B]
 - (A) $H_3C-O-Na$ (B) $H_3C-COONa$ (C) CaC_2 (D) All
10. $H-\overset{\overset{O}{||}}{C}-H + R-Li \xrightarrow{HOH} \text{?}$ [B]
 - (A) H_3C-OH (B) $R-CH_2-OH$ (C) $H-\overset{\overset{O}{||}}{C}-OH$ (D) None
11. $H_3C-\overset{\overset{O}{||}}{C}-CH_3 + H_3C-Mg-Cl \xrightarrow{HOH} \text{?}$ [C]
 - (A) H_3C-OH (B) $H_3C-\overset{\overset{OH}{|}}{CH}-CH_3$ (C) $H_3C-\overset{\overset{OH}{|}}{C}-CH_3$

12. If $M = +ve$. then gas will be _____ [A] ✓
 (A) cooled (B) heated (C) neither cool nor heat (D) none
13. Kirchoff's equation _____ [A] ✓
 (A) $\Delta C_p = \frac{\Delta H_2 - \Delta H_1}{T_2 - T_1}$ (B) $\Delta C_p = \frac{T_2 - T_1}{T_2}$ (C) $\Delta C_p = \frac{T_2 - T_1}{\Delta H_2 - \Delta H_1}$ (D) none
14. Heat Engine capacity is _____ [C] ✓
 (A) $\phi = \frac{W}{Q}$ (B) $\phi = \frac{T_1 - T_2}{T_1}$ (C) A & B (D) none
14. If $S_2 > S_1$. $\Delta S = +ve$ - [A] ✓
 (A) spontaneous reaction (B) non-spontaneous (C) Both (D) none
15. phase rule (အဆင့်ပုံအရ ပာဝါနိယ) _____ [C] ✓
 (A) $P + F = C + 2$ (B) $F = C - P + 2$ (C) Both (D) none
16. How many phases are present in water system _____ [C] ✓
 (A) 1 (B) 2 (C) 3 (D) 4
17. Find the no of components present in the following system [A] ✓
 $\text{Ice} \rightleftharpoons \text{water} \rightleftharpoons \text{vapour}$
 (A) 1 (B) 2 (C) 3 (D) 4
18. phase diagram contains _____ [C] ✓
 (A) Areas of curves (B) curves of points (C) Areas, curves of points (D) none
19. What is the degree of freedom (F) at triple point in water system [A] ✓
 (A) 0 (B) 1 (C) 2 (D) 3
20. Nc1ccccc1.ClC(=O)Cl.O[OH]>>Nc1ccccc1C(=O)N.ClCl.O [A] ✓
 Aniline chloroform phenyl isocyanide
 the reaction is
 (A) Carbylamine reaction (B) Gattermann reaction (C) Curtius reaction (D) None

SUM GOVERNMENT DEGREE COLLEGE:: KONDANAGULA

NAGARKURNOOL.DIST.

date: 4.02.2023

DEPARTMENT OF ZOOLOGY

INTERNAL ASSESSMENT EXAM-2

Name: B. Chandana

H.T.NO: 220330514451007

Max Marks-20

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I. Identify & choose the correct answer

10x1/2=5 marks

1. The term protozoa was coined by _____

- a) Gold fus b) Lamark c) Darwin

~~(a)~~
d) Above all

2. the term porifera was coined by _____

- a) Gold fus b) Lamark c) R.E Grant

~~(c)~~
d) Above all

3. the term Helminthis was coined by _____

- a) Gegenbar b) Lamark c) Gold fus

~~(a)~~
d) None of the above

4. The term Annelida was coined by _____

- a) Aristotile b) Lamark c) Linneus

~~(b)~~
d) Darwin

5. The term Arthropoda was coined by _____

- a) Gold fus b) Vansibold c) Lamark

~~(b)~~
d) Above all

6. Identify the Unicellular animals _____

- a) Porifera b) Protozoa c) Lamark

~~(b)~~
d) Arthropoda

7. Identify the Shell animal culel _____

- a) Verticella b) Paramecium c) Elphidium

~~(c)~~
d) Eugleena

8. Identify the Slipper animal cule _____

- a) Verticella b) Paramecium c) Elphidium

~~(b)~~
d) Eugleena

9. The largest phylum in animal king dom is _____

- a) Annelida b) Arthropoda c) Protozoa

~~(b)~~
d) Mollusca

10. Identify the Bell animal culel _____

- a) Verticella b) Paramecium c) Elphidium

~~(a)~~
d) Eugleena

II. Filling the blanks

- Schistosoma which belongs to phylum Plati helminthis
- Dracanculus is belongs to phylum Nemati Helminthis
- Elphidium is belongs to phylum protozoa
- Leech is belongs to phylum Annelida
- Prawn is belongs to phylum Arthropoda
- Water vascular system is present in phylum Echinodermata
- Which phylum has consist of Canal system porifera
- Porch gees man of war is Physalia
- Jelly fishes have belongs to phylum chidaria
- Devil fish Belongs to phylum mollusca

III. Write the correct answer

5x1=5 marks

- What are the parts present in Water vascular system?
 1) madre porit 2) stone canal 3) Ring canal 4) Radial canal 5) later al canal 6) Tube feet 7) Tricemen bodies 8) Polien vesselct
- What are the larvaes presents in Schistosoma Haematobium?
 M → meracidium c) cerceria
 S → sporocysts
- What are hostes present in Life cycle of Dracanculus?
 primary host - man
 secondary host - cyclops
- What are hostes present in Life cycle of Schistosoma Haematobium?
 primary host → man
 secondary host - Fresh water snail
- In leeches how many Segments and Annuli has present?
 segments - 33
 Annuli - 109

IV. ASSIGNMENT

5 Marks

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